| Index of Claims |  |  |  |  |  |  |  |  |  |
|-----------------|--|--|--|--|--|--|--|--|--|
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| Application i | No. |
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09/019,087

Examiner

Robert M Kunemund

Applicant(s)

ENOMOTO ET AL.

Art Unit

1765

| √ | Rejected |
|---|----------|
|   | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| + | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| - | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cli  | aim  | Г  |              |              |            | Dat            |          |  |  |                 |
|--|--|--|--------------|--------------|------------|----------------|----------|--|--|-----------------|
| F-016  | I  | ╁  | 1            | Т            | т-         |                | 1        | η-   | Т  | 1               |
| Final  | Original   | 0011/10  |              |              | :          |                |          |  |  |                 |
|  | 1  | 5  |              |              |            |                |          | 1  | T  | 1-              |
|  | 2  | $\prod$  |              |              |            |                |          |  |  |                 |
|  | 3  | Ш  | <u> </u>     |              |            | ļ              | <u> </u> |  | ↓  |                 |
|  | 4  | $\sqcup$   | 1_           | ١.,          | $\perp$    |                | $\vdash$ | $\perp$  | $\perp$  | <u> </u>        |
| <u> </u>   | 1<br>2<br>3<br>4<br>5<br>6<br>7                    | ₩  | ┼            | <u> </u>     | ╀          | ╀              | ╀        | ـــــ  | 1  | ₩               |
|  | 7  | H  | ┼            | ╀            | ╀          | ╀              | ⊢        | ╀  | ⊬  | $\vdash$        |
|  | 8  | H  | ╁            | ╁            | ┼          | ┼              | ╁        | ├  | ╁┈   | -               |
|  | 9  | 11   | ╁            | $\vdash$     | ╁╌         | $\vdash$       | $\vdash$ | +-   | +  | <del> </del>    |
|  | 10   | 1  | $\vdash$     | $\vdash$     |            | $\vdash$       | $\vdash$ | $\vdash$   | t  | $\vdash$        |
|  | 11   | $\vdash$   | 1            |              | <b>†</b> • | 1              |          |  | <u> </u>   | <b></b>         |
|  | 12   |  | L            |              | L          | L              | L        | L  |  |                 |
|  | 13   |  |              |              |            |                |          |  | F  |                 |
|  | 10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18 |  | <u> </u>     |              |            |                |          |  |  | ļ               |
| <u> </u>   | 15   | <u> </u>   | <u> </u>     | <u> </u>     | _          | <u> </u>       | ļ        |  |  |                 |
| <u> </u>   | 16   | -  | -            | <del> </del> | ⊢          | 1              | -        | ╄  | _  | <u> </u>        |
| -  | 1/   | ├  | ┼—           | ⊢            | ╄          | -              | ┢        | ļ  | ┞  |                 |
|  | 10   | ╁  | <del> </del> | ╀            | ╁          | ╁              | $\vdash$ | ┢  |  |                 |
| <u> </u>   | 20   | 1  | ┢            | 1            | $\vdash$   |                | $\vdash$ | <del>                                     </del> | <del>                                     </del> | Н               |
|  | 21   | H  | _            |              | ┢╌         |                | $\vdash$ | <del> </del> —                                   | H  | $\vdash$        |
|  | 21<br>22<br>23<br>24<br>25                         |  | t            |              | <b>†</b>   | T              |          | <u> </u>   |  | -               |
|  | 23   |  |              |              |            |                | Γ        |  |  |                 |
|  | 24   | _  |              |              |            |                |          |  |  |                 |
|  | 25   | <u> </u>   | ╙            | <u> </u>     | L          | <u> </u>       |          | <u> </u>   | _  | Ц               |
|  | 26<br>27   |  | -            | <u> </u>     | <u> </u>   | ⊢              | <b> </b> | <u> </u>   | <u> </u>   | Ш               |
|  | 28   |  | <del> </del> | $\vdash$     | ┢          |                |          | <u> </u>   |  | Н               |
| $\vdash$   | 29   | ├  | <u> </u>     | -            | -          |                | -        |  | ├-   | Н               |
|  | 30   | H  | $\vdash$     | -            | -          | <del> </del> — |          | ┢  | ┢  |                 |
|  | 31   | İ  | -            |              | $\vdash$   |                |          |  | $\vdash$   | $\vdash$        |
|  | 32   | _  | Г            | 1            |            |                |          | ┪  |  |                 |
|  | 33   |  |              |              |            |                |          |  |  | П               |
|  | 34   |  |              |              |            |                |          |  |  |                 |
|  | 35   | <u> </u>   | L            |              | L          |                |          |  |  | Ш               |
| <del>                                     </del> | 36   | $\vdash$   | _            | _            | _          |                | _        | L-   | _  | Щ               |
| <del>                                     </del> | 37<br>38   | <u> </u>   |              | <del> </del> | <u> </u>   | <u> </u>       | _        | <u> </u>   | _  | Н               |
| $\vdash$   | 39   | H  | <del> </del> | -            | _          | -              | _        | -  | _  | $\vdash \mid$   |
|  | 40   |  | -            | $\vdash$     | -          | $\vdash$       | -        | $\vdash$   |  | $\vdash \vdash$ |
|  | 41   | <del>                                     </del> | $\vdash$     |              | -          |                | -        | _  | $\vdash$   | $\vdash$        |
|  | 42   | $\vdash$   | $\vdash$     |              | $\vdash$   | -              |          |  |  | $\vdash \vdash$ |
|  | 43   |  |              |              |            |                | Г        |  |  | Н               |
|  | 44   |  |              |              |            |                |          |  |  |                 |
| igsqcut  | 45   |  |              |              |            |                |          |  |  |                 |
|  | 46   |  |              |              |            |                |          | _  |  | Ш               |
|  | 47   | ļ  |              |              |            |                |          |  |  | Щ               |
|  | 48<br>49   | <u> </u>   | -            | _            |            |                | -        |  | H  | $\sqcup$        |
|  | 50   |  | Н            |              | $\vdash$   |                |          |  | Н  | $\vdash \dashv$ |
|  | <u> </u>   |  |              |              |            |                |          |  | L  |                 |

| Cli           | Date           |          |          |          |  |              |              |          |                                |                 |
|---------------|----------------|----------|----------|----------|--|--------------|--------------|----------|--------------------------------|-----------------|
|               | 1              | Г        |          |          | Τ  | T            | Т            | Τ        | Π                              | Π               |
| <u> </u>      | Original       |          |          |          |  |              |              |          |                                |                 |
| Final         | Ē              | Į        |          |          | 1  |              | 1            |          |                                |                 |
| 1             | 0              | ĺ        |          |          | 1  |              | 1            |          |                                | .               |
|               | 51             | Г        |          | T        | T  | 1            | +            | 1        |                                |                 |
|               | 52             | Γ-       |          | Τ        | T  | T            | T            | Т        | †                              | $\vdash$        |
|               | 52<br>53       | 1        | Γ        | T        | 1  | T            | T            | T        |                                | T               |
|               | 54             |          |          | Г        | T  | T            |              | Τ        |                                | Π               |
|               | 54<br>55       |          |          |          | 1  | Τ            |              |          | Г                              |                 |
| L             | 56             |          |          | Γ        | Γ  | Γ            | Ι            | Π        | Π                              | П               |
|               | 57<br>58       |          | L        | $\Box$   | Γ  | $\Box$       | Γ            |          |                                |                 |
|               | 58             | L        | Ĺ        | Ĺ        | L  | $\perp$      | L            |          | $\Box$                         | $\Box$          |
|               | 59             | Ĺ        | Ĺ        | Ĺ        | Ĺ  | oxdot        | Ľ            | Ĺ        | $\Box$                         |                 |
|               | 60             | oxdot    | Ĺ        | Ĺ        | Ĺ  | Ĺ            | Ĺ            | Ĺ        | 匚                              |                 |
| <u> </u>      | 61             | _        | _        | L        | ļ_   | $\perp$      | Ĺ            | Ĺ        | Ĺ                              | oxdot           |
| <u> </u>      | 62             | <u> </u> | L        | L        | $\perp$  | $\vdash$     | 1            | Ĺ        | Ļ                              | Ш               |
| <u> </u>      | 63             | ļ        | L        | <u> </u> | 1  | _            | 1            | _        | Ь.                             | Ш               |
| ļ             | 64<br>65       | <u> </u> | $\vdash$ | $\vdash$ | $\vdash$   | $\vdash$     | -            | _        | <u> </u>                       | Ш               |
| <u> </u>      | 65             |          | <u> </u> | $\vdash$ | <del> </del>                                     | $\vdash$     | ₽            | $\vdash$ | <u> </u>                       | Ш               |
| <u> </u>      | 66             | <u> </u> | <u> </u> | $\vdash$ | -  | $\vdash$     | <del> </del> | $\vdash$ | $\vdash$                       | $\vdash \vdash$ |
| <u> </u>      | 67             | $\vdash$ | <u> </u> | $\vdash$ | <u> </u>   | 1            | $\vdash$     | -        | $\vdash$                       | $\vdash \vdash$ |
|               | 68<br>69       | $\vdash$ | -        | -        | $\vdash$   | -            | $\vdash$     | $\vdash$ | ┼                              | $\vdash \vdash$ |
|               | 70             | $\vdash$ |          | $\vdash$ | -  | -            | <u> </u>     | -        | ├                              | Н               |
|               | 70<br>71       | $\vdash$ |          | $\vdash$ | -  | +            | ⊢            | -        |                                | ⊢┤              |
|               | 72             | $\vdash$ | _        | $\vdash$ | $\vdash$   | +            | -            | -        | $\vdash$                       | $\vdash \vdash$ |
|               | 73             | H        | $\vdash$ | +-       | $\vdash$   |              | $\vdash$     | $\vdash$ | $\vdash$                       | $\vdash \vdash$ |
|               | 73<br>74<br>75 | $\vdash$ |          | -        | $\vdash$   | $\vdash$     | +-           | $\vdash$ | $\vdash$                       | $\vdash$        |
|               | 75             | -        |          |          | <del>                                     </del> | $\vdash$     |              | 1        |                                | $\vdash$        |
|               | 76             | H        |          | $\vdash$ |  | T            | $\vdash$     | 1        | $\vdash$                       | $\vdash$        |
|               | 76<br>77       |          |          |          | T  | Τ            | T            |          |                                | Н               |
|               | 78             | П        |          |          | Γ-   |              | T            | 1        |                                | Н               |
|               | 79             |          |          |          | Π  | Γ            |              |          |                                | П               |
|               | 79<br>80       |          | _        |          |  |              | Γ            |          |                                |                 |
|               | 81<br>82       |          | _        |          | Г  |              |              |          |                                |                 |
|               | 82             |          |          | L        | Ĺ  | 匚            | $\Box$       | $\Box$   |                                |                 |
|               | 83             |          |          |          | Ĺ  | $oxed{\bot}$ |              | Ĺ        |                                | 囗               |
|               | 84<br>85       | $\Box$   |          |          | L  | $\Box$       | L_           | Ĺ        |                                | Ш               |
|               | 85             |          |          |          | _  | <u> </u> _   | <u> </u>     | <u> </u> | $oxedsymbol{oxedsymbol{oxed}}$ | Ш               |
|               | 86             | _        |          |          | <u> </u>   | L            | L            |          |                                | Ш               |
|               | 87             | _        |          | _        | $\vdash$   | $\vdash$     | <u> </u>     | <u> </u> | <u> </u>                       |                 |
|               | 88             |          |          | _        | $\vdash$   | <u> </u>     | <u> </u>     | <u> </u> | Щ                              | Ш               |
|               | 89             | $\dashv$ |          |          | $\vdash$   | $\vdash$     | <u> </u>     | _        | Щ                              | <u> </u>        |
| $\dashv$      | 90<br>91       | $\dashv$ |          | <u> </u> | -  | $\vdash$     | $\vdash$     | <u> </u> | Н                              | $\sqcup$        |
|               |                | 4        |          | ļ        | <del> </del>                                     | $\vdash$     | $\vdash$     |          | Н                              | Щ               |
|               | 92<br>93       | $\dashv$ |          |          | -  | H            | $\vdash$     | <u> </u> | $\vdash$                       | Щ               |
|               | 94             | -        |          | <u> </u> | <b> </b> -                                       | $\vdash$     | $\vdash$     | <u> </u> | H                              | $\dashv$        |
| <del></del> + | 95             | $\dashv$ | _        |          |  |              | Н            |          | $\vdash$                       | $\dashv$        |
|               | 96             | $\dashv$ |          |          | -  | -            | -            |          | $\vdash$                       | $\dashv$        |
|               | 97             | $\dashv$ | -        |          | -  |              | -            | -        | Н                              | $\dashv$        |
|               | 98             | +        |          |          | -  |              | H            |          | $\vdash$                       | $\dashv$        |
|               | 99             | $\dashv$ | -        | _        |  | r-1          |              |          |                                | $\dashv$        |
|               |                | -+       | -        |          | _  | $\vdash$     | $\vdash$     |          |                                | —               |

100

| CI           | aim               | Γ.       |          |          |              | Dat             | е        |              |  |                  |
|--------------|-------------------|----------|----------|----------|--------------|-----------------|----------|--------------|--|------------------|
|              |                   | Г        |          | Τ        | Π            | Ī               | Ť        | Τ            | Τ  | Т                |
| Final        | Original          |          |          |          |              |                 |          |              |  |                  |
|              | 101               |          |          |          |              |                 |          |              |  |                  |
|              | 102               |          |          |          |              | L               |          |              |  |                  |
|              | 103               |          |          | ↓        | L            | <u> </u>        |          |              |  |                  |
|              | 104               |          |          | <u> </u> | _            | <u> </u>        | _        | <u> </u>     | ↓_   |                  |
|              | 105               |          |          | <u> </u> | _            | <u> </u>        | _        | _            | ╄  | ļ                |
| ļ            | 106<br>107        | -        | ⊢        | ⊢        | ├            |                 | <u> </u> |              | 1  | ļ                |
|              | 107               |          | -        | -        | -            | ⊢               | $\vdash$ | ├            | ╁  | H                |
| <del></del>  | 109               | <u> </u> | ┢        | ╁╌       | <del> </del> | ┢               | -        | -            | ╁  | $\vdash$         |
|              | 110               |          | $\vdash$ | $\vdash$ | -            | $\vdash$        | ⊢        | <del> </del> | ╁  | <del>  -</del> - |
| <b>—</b>     | 111               |          | ┢        | $\vdash$ |              | $\vdash$        | H        | ╁            | t  | $\vdash$         |
|              | 112               |          |          | †        | <del> </del> |                 | ┢        | 1-           | T  | H                |
|              | 113               |          |          | T        | T            | $\vdash$        |          |              | 1  | П                |
|              | 114               |          |          |          |              | 1               |          |              |  |                  |
|              | 113<br>114<br>115 |          |          |          |              |                 |          |              |  |                  |
|              | 116<br>117        |          |          | <u> </u> |              | L               |          |              |  |                  |
| $\Box$       | 117               |          |          | L        | <u> </u>     | $oxed{oxed}$    |          | <u> </u>     |  | L.               |
|              | 118               |          |          | <u> </u> | ╙            |                 |          | <u> </u>     | ــــــــــــــــــــــــــــــــــــــ           | Щ                |
|              | 119               |          | _        |          | L            | <u> </u>        |          | ┞            |  | <u> </u>         |
| -            | 120               |          |          | -        | <u> </u>     | _               | <u> </u> | ļ            | _  | H                |
|              | 121<br>122        |          | _        | -        |              | <u> </u>        |          | <del> </del> | ┢  | $\vdash$         |
|              | 123               | _        | ⊢        | ┢╌       |              | ┢┈              | _        | <del> </del> |  | Н                |
|              | 124               |          | $\vdash$ | ├─       |              | $\vdash$        | -        |              | ├  |                  |
|              | 124<br>125        |          |          |          | -            |                 | -        |              | <del>                                     </del> | Н                |
|              | 126               |          |          |          |              |                 |          |              | i  | H                |
|              | 127               |          |          | ┌┈       |              |                 |          | İ            | T  |                  |
|              | 128               |          |          |          |              |                 |          |              |  |                  |
|              | 129               |          |          |          |              |                 |          |              |  |                  |
| L            | 130               |          |          | L.       | _            |                 |          | L            |  | Ш                |
|              | 131               |          | ļ        | _        |              |                 |          | L            | <u> </u>   | Ш                |
|              | 132<br>133        | _        | -        |          | <u> </u>     | H               |          | ļ            | ┡  |                  |
|              | 133               |          |          |          |              |                 |          | ├_           | _  |                  |
|              | 134<br>135        |          | -        |          |              | H               |          | <del> </del> | -  | $\vdash$         |
|              | 136               |          |          | $\vdash$ | _            |                 |          |              |  | Н                |
|              | 137               |          |          | ┢        |              | $\vdash$        |          | _            |  | H                |
|              | 138               |          |          | $\vdash$ | _            |                 |          |              |  | Н                |
|              | 139               |          |          |          |              |                 |          |              |  | Н                |
|              | 140               |          |          |          |              |                 | _        |              |  |                  |
|              | 141               |          |          |          |              |                 | _        |              |  |                  |
| $oxed{oxed}$ | 142               |          |          |          |              |                 |          | Ĺ            |  |                  |
|              | 143               |          |          | L.,      |              | Ш               |          | _            |  | Ш                |
|              | 144               | _        |          |          |              | Ш               | _        |              | -  | Щ                |
|              | 145               |          |          | Щ        | -            | $\square$       |          |              | <u> </u>   | Щ                |
|              | 146               | _        | _        |          |              | $\vdash \vdash$ | _        | -            | Ш  |                  |
|              | 147               |          |          |          |              | $\vdash$        |          | _            |  | _                |
|              | 148<br>149        | $\dashv$ |          |          |              | -               |          | _            | $\vdash$   | $\dashv$         |
|              | 150               | $\dashv$ | $\dashv$ | $\vdash$ | _            | $\vdash$        |          |              |  | $\dashv$         |
|              | 150               |          |          |          |              |                 |          |              |  |                  |